CLAIMS

1. A thermoplastic elastomer composition comprising:
(A) a composition obtained by crosslinking an isobutylene polymer having an alkenyl group at the molecular ends with a hydrosilyl group-containing compound while melt-kneading in the presence of at least one kind selected from the group consisting of an aromatic vinyl-containing thermoplastic elastomer and an olefinic resin, and
(B) at least one kind selected from the group consisting of an aromatic vinyl-containing thermoplastic elastomer and an olefinic resin.

2. The thermoplastic elastomer composition according to claim 1, wherein the content of at least one kind selected from the group consisting of an aromatic vinyl-containing thermoplastic elastomer and an olefinic resin is from 5 to 100 parts by weight based on 100 parts by weight of the isobutylene polymer having an alkenyl group at the molecular ends in the component (A).

3. The thermoplastic elastomer composition according to claim 1 or 2, wherein the content of the component (B) is from 5 to 100 parts by weight based on 100 parts by weight of the total amount of the component (A).

4. The thermoplastic elastomer composition according to any one of claims 1 to 3, which further contains a softener (C) in the amount of 1 to 300 parts by weight based on 100 parts by weight of the isobutylene polymer having an alkenyl group at the molecular ends in the component (A).

5. The thermoplastic elastomer composition according to any one of claims 1 to 4, wherein an allyl group is introduced into the molecular ends of the isobutylene polymer having an alkenyl group at the molecular ends in the component (A) by a substitution reaction of allyltrimethylsilane and chlorine.

6. The thermoplastic elastomer composition according to any one of claims 1 to 5, wherein the isobutylene polymer having an alkenyl group at the molecular ends in the component (A) is a polymer which has a number average molecular weight of 1,000 to 500,000 and has at least 0.2 alkenyl groups per one molecule at the molecular ends.

7. The thermoplastic elastomer composition according to any one of claims 1 to 6, wherein the isobutylene polymer having an alkenyl group at the molecular ends in the component (A) is a polymer having 50% by weight or more of isobutylene.

8. The thermoplastic elastomer composition according to any one of claims 1 to 7, wherein the aromatic vinyl-containing

thermoplastic elastomer in the components (A) and (B) is a block copolymer comprising a polymer block (a) composed mainly of an aromatic vinyl compound and a polymer block (b) composed mainly of isobutylene.

9. The thermoplastic elastomer composition according to claim 8, wherein the aromatic vinyl-containing thermoplastic elastomer in the components (A) and (B) is a block copolymer is a triblock copolymer which has a structure comprising a polymer block (a) composed mainly of an aromatic vinyl compound - a polymer block (b) composed mainly of isobutylene - a polymer block (a) composed mainly of an aromatic vinyl compound, and has a weight average molecular weight of 40,000 to 200,000.

10. The thermoplastic elastomer composition according to any one of claims 1 to 9, wherein the olefinic resin in the component (A) is polypropylene.

11. The thermoplastic elastomer composition according to any one of claims 1 to 9, wherein the olefinic resin in the component (A) is polyethylene.

12. The thermoplastic elastomer composition according to any one of claims 1 to 11, wherein the olefinic resin in the component (B) is polypropylene.

13. The thermoplastic elastomer composition according to any one of claims 1 to 11, wherein the olefinic resin in the component (B) is polyethylene.

14. The thermoplastic elastomer composition according to claim 10, wherein the olefinic resin in the component (A) is random polypropylene.

15. The thermoplastic elastomer composition according to claim 11, wherein the olefinic resin in the component (A) is high-density polyethylene.

16. The thermoplastic elastomer composition according to claim 12, wherein the olefinic resin in the component (B) is random polypropylene.

17. The thermoplastic elastomer composition according to claim 13, wherein the olefinic resin in the component (B) is high-density polyethylene.

18. The thermoplastic elastomer composition according to any one of claims 4 to 17, wherein the softener (C) is paraffinic oil.